

ILLEGIB

Approved For Release 2005/06/08 : CIA-RDP78T05439A000300390073-0

Approved For Release 2005/06/08 : CIA-RDP78T05439A000300390073-0

TOP SECRET

M/EB 342/64
26 June 1964
Copy 1

MEMORANDUM FOR: Chief, Forces Division, ORR

ATTENTION: [REDACTED]

THROUGH: Chief, Requirements Branch, Reconnaissance Group, CGS

FROM: Chief, CIA/PID (NPIC)

SUBJECT: Leningrad Southwest Probable AMM Complex Chronology

REFERENCES: (a) Requirement C-RR-4-81,534
(b) CIA/PID Project C 1097-64

1. This memorandum serves to augment memorandum report M/EB 324/64 dated 18 June 1964 and is in answer to your requirement dated 24 June 1964 which requested a chronology of the Southwest Probable AMM Complex at Leningrad, similar to the chronologies attached to the above referenced report. The requested chronology is attached. See the above referenced report for descriptive terminology.

2. Conclusions regarding termination of construction:

a. Support Areas: Most of the construction activity occurred prior to [REDACTED] though one barracks type building was added between [REDACTED]

b. Electronics Area: Construction probably terminated during the period [REDACTED] though minor activity may have occurred between [REDACTED]

c. Launch Sites: Some activity associated with the launch site control buildings and conduit junction cylinders probably took place during the summer or fall of 1963; however, the major construction effort apparently took place prior to [REDACTED]. In view of the time period involved, it appears that the activity which took place in 1963 was not motivated by any pressure to complete the weapon system at this particular complex. The following evidence further supports the view that major construction activity was terminated prior to the summer of 1963 and has not yet been resumed:

(1) The continued presence of unfinished or covered launch position shoulders at positions CI, D5, and EI.

Reviewed by NGA.

TOP SECRET

GROUP 1
Excluded from automatic
downgrading and
declassification

S-13250

TOP SECRET

Approved For Release 2003/09/01 : CIA-RDP78T05439A000300390073-0

SUBJECT: Leningrad Southwest Probable AMM
Complex Chronology

M/EB 342/64

(2) The unfinished condition of conduit junction cylinders, and the absence of central control conduits and launch position control conduits at most of the sites.

(3) The absence of light poles or post holes to the rear of the ready buildings.

(4) The lack of evidence that construction activity has resumed, as revealed by comparative coverage of [] with good quality KH-7 photography.

3. The photo analyst on this project is [] who may be contacted on extension [] should you have any further questions concerning this project.

4. This project is considered to be c []

Enclosures:
Textual Chronology in Table Form
(5 pages)

TOP SECRET

S-13250

TOP SECRET

25X1

Attachment to:

M/EB 342/64

THE SOUTHWEST COMPLEX (D25)

Support Area

All support areas, including the electric substation east of the barracks area are suspected to be substantially complete.

Electronics Area

A hazy partial outline of the control building indicates that construction of the building has begun, though photo quality precludes more detailed analysis. Earth scars to the east, and possibly the west and north outrigger radar positions can be detected. Work on the east radar position appears to be most advanced, however, the circular probable ground clutter screen is not in evidence.

Launch Sites

All launch sites and most missile ready buildings can be detected. It is suspected that some missile ready buildings lack superstructure or roofs. Photo quality precludes a more specific analysis.

Photo quality and cloud cover permits no analysis regarding construction progress.

No significant changes can be detected.

The control building appears to be complete, however, it is not dirt covered. Earth scars or possibly cable conduits can be seen connecting the control building with all three outrigger radar positions. The circular probable ground clutter screen on the east outrigger position appears to be partially complete. The cylindrical radar tower can be detected at the western outrigger, however, its stage of construction cannot be determined. A clearing at the shorter, northern outrigger position is visible.

All the missile ready buildings appear complete with black roof surfacing material possibly having been applied to all buildings. Launch site control buildings can be detected at all sites, however, none of them appear bunkered. Curved revetments can be detected at all launch sites.

S-13250

TOP SECRET

25X1

5X1

Approved For Release 2003/08/01 : CIA-RDP78T05439A000300390073-0

TOP SECRET

25X1

Attachment to: M/EB 342/64

THE SOUTHWEST COMPLEX (D25)

Support Area

Electronics Area

Launch Sites

No significant changes can be detected.

The eastern circular probable ground clutter screen appears to be complete, however, poor ground resolution precludes confirmation or analysis of finer details. (The "dome" appearance reported in NPIC/R-135/64 is probably caused by halation from the smooth surface of the screen). The western outrigger position is in a less advanced stage of construction with no part of the circular screen visible. No other changes can be detected.

No significant changes can be detected.

No significant changes can be detected at any of the facilities.

No significant changes can be detected.

Portions of the western probable ground clutter screen can be detected in the area of the outrigger radar site. The radar tower can also be detected. There is no apparent change at the eastern outrigger position. No activity or structures can be seen at the short northern position.

Launch position shoulders, probably surface concrete, can be detected at all launch positions except positions C1, D5, and possibly E1. Later and better photography, including show these same position shoulders either unsurfaced or covered with dirt. Quality of preceding missions precludes a more definite statement on sequence of activity at these shoulders. Probable rail beds can be detected to the rear of missile ready buildings A1, A4, A5, A6, B3, B4, B5, and possibly B6. They can also be detected to the rear of ready buildings C2, C4, C5, D1, D2, D5, D6, E3, and E6. At some positions, probable rail beds are near the threshold of detection; therefore, the above listing is only meaningful insofar as it reveals that particular phase of construction has been reached at the complex.

S-13250

TOP SECRET

25X1

TOP SECRET

25X1

Attachment to: [REDACTED]

W/EB 342/64

THE SOUTHWEST COMPLEX (D25)

Support Area

One, two story permanent type barracks building has been added since [REDACTED]. Construction activity on the adjacent SA-3 SAM Site is first noted. Roads in the support areas show evidence of vehicular activity or snow clearance.

The borrow pit area west of Launch Site B shows evidence of continued use since [REDACTED].

No significant changes can be detected at any of the facilities.

No significant changes can be detected. The SA-3 SAM site is more complete than when last seen [REDACTED].

Electronics Area

The western probable ground clutter screen now appears complete. Radar tower elements can be seen protruding from the center of each screen. At least three walls of a probable structure, with an U/I object inside can be seen at the short, northern out-rigger radar position. The road to the Central Control Building and possibly to the western out-rigger shows evidence of vehicular activity or possible snow clearing.

A dark spot can be detected near the circumference of the western circular probable ground clutter screen. If north is 12 o'clock, the spot is located at approximately 11 o'clock.

The control building is possibly covered with a layer of dirt, however, this activity may have commenced some time during the period [REDACTED].

Launch Sites

There is evidence of probable vehicular activity or snow clearing on the access roads to launch sites and possibly along the Site A perimeter service road. The road leading to the control buildings at Sites A, B, and C and the area to the rear of missile ready Buildings A5, A6 and C1 show evidence of activity. An unidentified object is located to the rear of ready Building E3.

Launch position control conduits can be seen connecting the center of the site with launch positions at A2, A3 and possibly C3. These features are close to the threshold of detection.

Launch position shoulders at C1, D5 and E1 still show no sign of a concrete surface. Missile loading rail beds, near the threshold of detection, can be seen behind ready buildings. A small, dark, possible stain or object can be seen to the rear of Building C1, it was probably there on [REDACTED]. Launch Site D control building appears to be the only one in the complex possibly still uncovered with dirt. A conduit junction cylinder is probably present at Sites A, B, and C. It probably

25X1

TOP SECRET

S-13250

TOP SECRET

25X1

Attachment to:

M/EB 342/64

THE SOUTHWEST COMPLEX (D25)

Support Area

Electronics Area

Launch Sites

No significant changes can be detected in any of the facilities.

No significant changes can be detected in any of the facilities.

Unidentified ground scarring, or objects can be seen in clear, grassy area north of Launch Site A. (KH-7 coverage in 1964 reveals vehicles and SA-3 missiles parked in this area.) No other significant changes can be detected.

No significant changes can be detected.

There is evidence of snow meltage or dirty snow in the steam plant area. It is suspected that vehicles or equipment are present in the clear area north of Launch Site A. The SA-3 SAM Site is probably unoccupied.

No activity or significant change can be detected in the area.

not present at Site D. It is not possible to determine the presence or absence of such a device at Site E. The time period during which control buildings were covered or conduit junction cylinders added cannot accurately be determined. An unidentified object, about the size of a large truck, can be detected to the rear of ready Building A6.

25X1 All launch site control buildings are probably covered with dirt. The object is not present at the time of this photography. (The quality of Mission would have precluded detecting it.) No other significant changes can be detected.

No activity or significant change can be detected in the area.

TOP SECRET

25X1

S-13250

TOP SECRET

THE SOUTHWEST COMPLEX (D25)

Photo Quality

Support Area

Electronics Area

Launch Sites

Many previously unseen details of construction can be seen due to the excellent photo quality and relatively large photo scale, though there is no stereo coverage, on this or the following KH-7 coverage of this complex. Only that evidence which reveals construction progress or activity since previous mission is recorded here. Detailed description will be contained in the report being prepared in answer to requirements C-DI-4-81,376 and C-RR-4-81,456. Vehicular activity on [REDACTED] is reported in memorandum report [REDACTED]

Good relatively large scale, oblique, non-stereo

Two buildings in the possible construction support area (east of the barracks area) have been dismantled or demolished. There is very little evidence of activity.

The dark spot seen on the western probable ground clutter screen on [REDACTED] is still there. The uncompleted structure and open cylinder at the terminus of the short northern outrigger appears abandoned. There is no evidence of activity in the area.

Exposed launch position control conduits can be seen connecting the junction cylinder to launch points at positions A2, A4, A5, C2, C3, C4 and C5. Part of the conduits can be seen at A1 and A3. All control buildings are dirt covered. A conduit junction cylinder can be seen at each launch site though it is uncapped at B, D and E. There is little evidence of activity (four suspect vehicles).

Excellent relatively large scale, vertical non-stereo. Partial cloud cover and cloud shadow.

No significant changes can be detected. There is very little evidence of activity in the area.

A line of closely spaced [REDACTED] holes can be seen just west of the control building, connecting the cable conduit with the access road. This line of holes was probably not present on [REDACTED]. There is very little evidence of activity (one unidentified parked vehicle).

Uncovered cable conduits can be seen at A2, A3, A4, A5, C4 and C5. No interconnection can be made regarding C1, C2, and C3 due to clouds. Either dirt covered conduits or earth scars in preparation for installation of conduits can be seen at D2, D4, and [REDACTED]. It is possible that the differences in conduits as seen on the last two missions are due to the different angle of view and larger scale and better quality available on [REDACTED] rather than an indication of construction or activity. There is little evidence of activity (two suspect vehicles and one truck).

S-13250

TOP SECRET